

ROXBURY TOWNSHIP PUBLIC SCHOOLS

Landfill Gas Assessment

INDOOR AIR SAMPLING RESULTS 12/16/13 to 12/19/13

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H ₂ S)	SULFUR DIOXIDE (SO ₂)
Roxbury H.S.	12/17/13	Auditorium Stage	N.D.	N.D.
		Main Office	N.D.	N.D.
		Guidance Office	N.D.	N.D.
		Classroom P241	N.D.	N.D.
		Classroom P249	N.D.	N.D.
		Ambient	N.D.	N.D.
Roosevelt M.S.	12/18/13	Main Office	N.D.	N.D.
		Women Teachers Room	N.D.	N.D.
		Room #214	N.D.	N.D.
		Ambient	N.D.	N.D.
Jefferson E.S.	12/19/13	Nurses Room	N.D.	N.D.
		Room #15	N.D.	N.D.
		Computer Room	N.D.	N.D.
		Ambient	N.D.	N.D.

N.D. = Non-detectable

All results are in parts per billion (ppb)

Results are rounded to the nearest whole number

Sample Date is the date on which the 24-hour sample was completed

In conjunction with the 24-hour canister sampling, the Department of Health (DOH) is utilizing Jerome J605 portable handheld meters for detecting hydrogen sulfide (H₂S) gas. The H₂S readings are being taken each time the 24-hour canisters are placed and again when the canisters are collected. The H₂S readings are being taken in each room where a canister is placed and in hallways and corridors in the vicinity of these rooms, as well as, outside the building. During this week of sampling there were detectable levels of H₂S measured in the indoor air and the outdoor ambient air.

On December 16th, H₂S was detected in the indoor air at the Roxbury H.S. H₂S was detected in seven (7) locations sampled inside the high school including the Main Office Area at 3.6 ppb, the Main Guidance Office area at 4.4 ppb, a Guidance Counselor's Office at 4.7 ppb, Classroom P241 at 5.1 ppb, Classroom P249 at 5.6 ppb and in the Hallway between Classrooms P241 and P249 at 5.4 and 5.7 ppb. There were no detectable levels of H₂S measured in the outdoor ambient air. On December 17th, detectable levels of H₂S were measured in these same indoor locations ranging from 4.1 to 4.7 ppb. Detectable

levels of H₂S were measured in the outdoor ambient air at 4.5 ppb. There were no odors of H₂S noted and there were no reports of odor complaints by school staff on either day.

On December 17th, detectable levels of H₂S measured in the indoor air and in the outdoor ambient air at the Roosevelt M.S. Detectable levels of H₂S were measured in the Hallway outside the Main Office at 3.1 ppb, the Hallway outside the Women's Teacher Room at 3.4 ppb and in the outside ambient air at 4.1 ppb. On December 18th, there were no detectable levels of H₂S measured in the indoor air or in the outdoor ambient air. There were no odors of H₂S noted and there were no reports of odor complaints by school staff on either day.

On December 18th, there were no detectable levels of H₂S measured in the indoor air at the Jefferson E.S.; however, H₂S was detected in the outdoor ambient air at 3.2 ppb. On December 19th, detectable levels of H₂S were measured in Classroom #5 at 4.1 ppb and in the outdoor ambient air at 3.8 ppb. There were no odors of H₂S noted and there were no reports of odor complaints by school staff on either day.